

A large, dark blue arc curves over a horizontal orange bar.

LHC @ FNAL Remote Operations Center

Erik Gottschalk



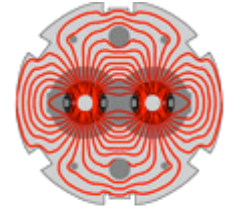
Overview



- What is LHC@FNAL?
- Who is involved?
- Where is it?
- Open House(s)



What is LHC@FNAL?

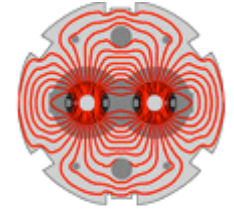


LARP

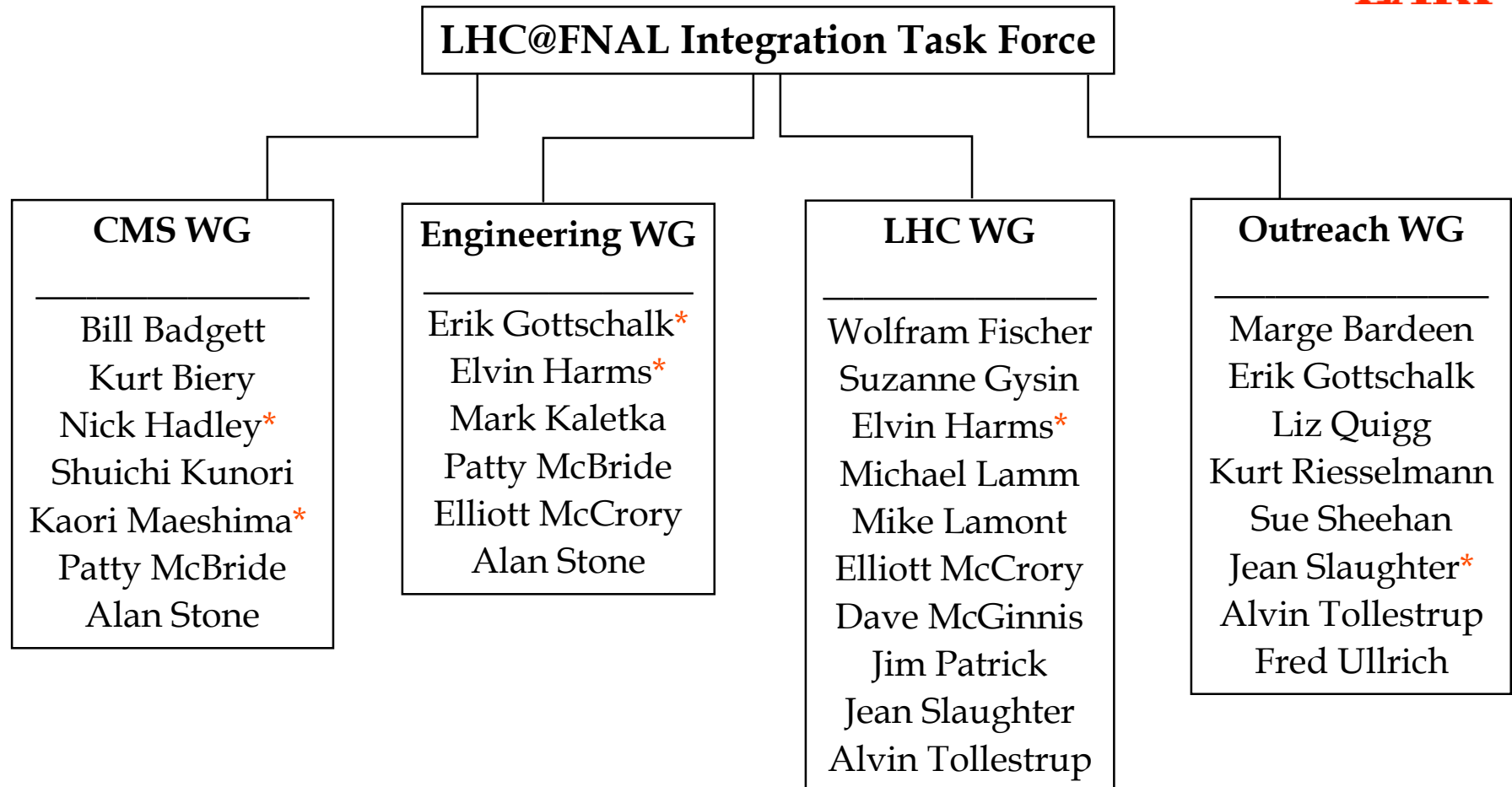
- **A Place**
 - That provides access to information in a manner that is similar to what is available in control rooms at CERN
 - Where members of the LHC community can participate remotely in **LHC and CMS** activities
- **A Communications Conduit**
 - Between CERN and members of the LHC community located in North America
- **An Outreach tool**
 - Visitors will be able to see current LHC activities
 - Visitors will be able to see how future international projects in particle physics can benefit from active participation in projects at remote locations.



Who is Involved in Planning?



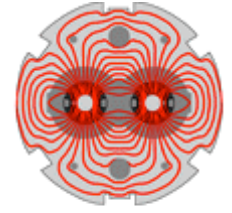
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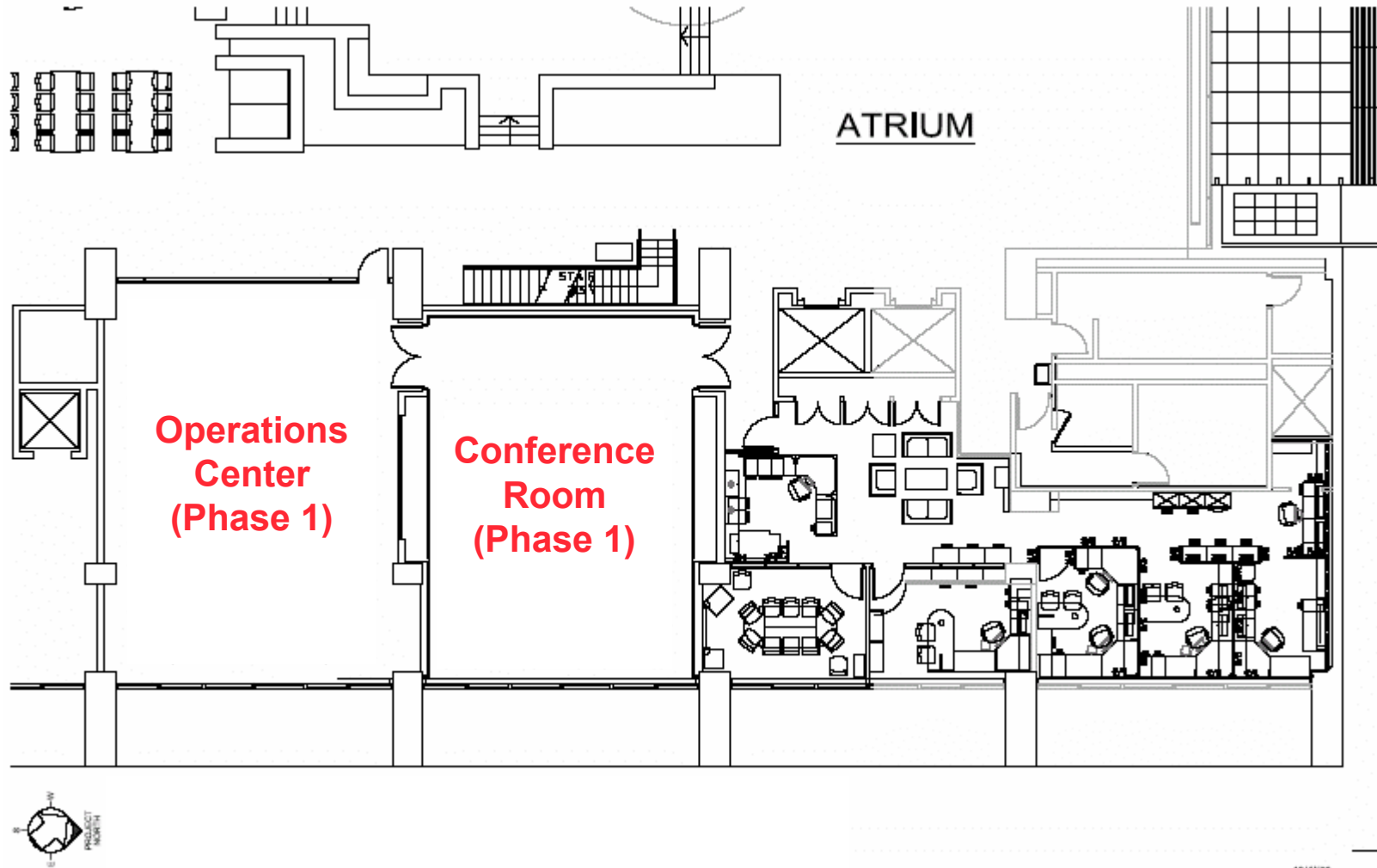
* Group Leaders



Where is it?

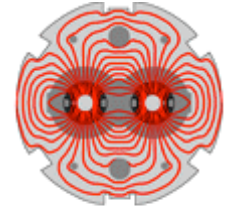


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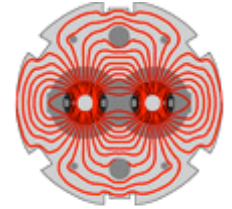
Construction of LHC@FNAL



Construction Photo
Dec. 27, 2006



LHC@FNAL Construction



LARP

- Construction started Sept. 13, 2006.
- Construction is now essentially completed.
- LHC@FNAL construction completed **ahead of schedule, under budget**, and has had **no reportable injuries**.

Project Manager: Elvin Harms

Project Engineer: Steve Dixon

We are now entering the commissioning and operations phase.



Schedule for this week



- Plywood wall will be removed on Thursday, Feb. 8, 2007.
- Fermilab Open House scheduled for Feb. 11 (Sunday), 1-5 pm.
 - ✓ About 2000 visitors are expected.
 - ✓ LHC@FNAL was not listed in the announcement. This was done deliberately.
 - ✓ We will downplay answers to questions from reporters. The Open House is not an opportunity for a newspaper to “break the news” about remote operations at Fermilab.
- A grand opening is being planned together with the CERN. A date has not been set.



Schedule for next week



- LHC@FNAL Open House scheduled for Monday, Feb. 12 , 3 - 4 pm (Director's Coffee Break).
- Marge Bardeen and volunteers from the Education Office will bake cookies for this event.
- The operations center and conference room will be open during this time.

Please join us!



Plan for the next 2 months



- The CMS silicon tracker group will begin using LHC@FNAL for the tracker slice test.
 - The plan is to establish shifts that complement shifts at the Tracker Integration Facility (TIF) at CERN
 - Work on data quality monitoring and event display
 - Work with the Detector Control System
- The LHC@FNAL Software (LAFS) effort will begin using LHC@FNAL as a base of operations for code development.
 - Role Based Access for LHC
 - LHC Sequencer
 - Sequenced Data Acquisition (SDA)
 - LHC Beam Instrumentation Software